

# KR33-H Series

(400-800kVA)



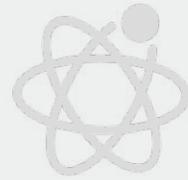
## Reliability

- Independent air duct design, distressing the PCB's and other internal sensitive components
- Energy back-feed protection, can carry electrical load
- Highly Reliable IGBT Modules
- Power walk-in, prevent impact for input grid
- Short circuit protection, 20-200ms settable
- Auxiliary power supply redundancy design, improve system reliability



## Green Power

- High AC/AC efficiency up to 97%, reduces heat dissipation and limits power consumption costs
- Wise ECO mode efficiency up to 98% High AC/AC efficiency up to 97%
- Low THDi <3%, reduce pollution to the power grid



## Intelligence

- Smart sleep mode, the whole machine sleeps to improve efficiency
- Power-on assistant, helps boot quickly and correctly
- Compatible with li-ion battery, long backup power, small footprint
- Fault trance management, quickly locate the fault
- Intelligent on-line capacitance detection, manage the component life
- Self-load test function without load, save load rent money and power loss

## Technical Specification

MODEL	KR33400-H	KR33500-H	KR33600-H	KR33800-H
Capacity (kVA)	400	500	600	800
<b>INPUT</b>				
Voltage (Vac)	L-L: 288-552 (407-552 at full load)			
Frequency (Hz)	40-70			
Power Factor	≥0.99			
THDi	≤3% (resistive full load)			
Phase	3W+PE/3W+N+PE			
<b>BYPASS</b>				
Voltage (Vac)	±10%/±15%/±20% (default ±20%)			
Frequency (Hz)	±5%/±10% (default ±10%)			
Overload	124%: long term; 150%:10min; 170%: 1min; above 170% 10s			
<b>OUTPUT</b>				
Voltage (Vac)	L-L: 480±1%			
Frequency (Hz)	50/60±0.5% (battery mode)			
Power Factor	1.0/ 0.9 (optional)			
THDv	≤1% (resistive full load)			
AC/AC Efficiency (Max.)	97%			
Overload	105%: long term; 125%: 10min; 150%: 1min; 170%: 1s; above 170%: 200ms			
Transfer Time (ms)	0 (Mains mode-Battery mode), ≤1 (Mains mode-Bypass mode)			
Crest Factor	3:1			
<b>BATTERY</b>				
Battery Type	Lead-acid/S <sup>3</sup> Lithium-ion batteries			
Voltage (Vdc)	528 (408-660, 528-660 at full load)		576 (456-660, 576-660 at full load)	
Charging Current (A)	25-100		25-200	
<b>GENERAL</b>				
Communication	RS232/RS485, RTS485/BMS, Dry contact Optional: SNMP card			
Display	7" touch screen			
Noise (dB)	<75		<80	
Working Temperature (°C)	-5~40			
Altitude (m)	1000			
Relative Humidity	0 ~ 95%, no condensation			
Protection Grade	IP20			
Agency/Certification/Conformance	EN IEC 62040-1, EN IEC 62040-2, EN IEC 62040-3			
Dimension (W×D×H) (mm)	1000×900×1950		1400×900×1950	
Weight (kg)	750		1150	

• Specification is subject to change without prior notice.